Arricumsa

AMENDMENT

(Amendment under the provision of Law Section 11)

To: Commissioner of the Patent Office

 Identification of the International Application PCT/JP03/11669

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4. Item to be Amended

Claims

- 5. Subject Matter of Amendment
 - (1) In claim 1, "2-ketoglutaric acid" is deleted.

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- (2) In claim 1, "derivative thereof" is amended to "derivative thereof, wherein the biological low-molecular-weight derivative undergoes hydrolyzation in vivo after application in vivo and reacts with a biological high-molecular-weight compound".
- (3) In claim 4, "the biological low-molecular-weight derivative according to claim 1." is amended to "the biological low-molecular-weight derivative according to claim 1, the crosslinked high-molecular-weight product comprising a gel that is metabolized in vivo after application in vivo".
 - (4) New claims 8 to 11 are added.
- 6. List of Attached Documents
 - (1) Claims: page 13, page 13/1, page 14

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CLAIMS

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- 1. A biological low-molecular-weight derivative obtained by modifying at least one carboxyl group of a biological low-molecular-weight compound having two or more carboxyl groups with N-hydroxysuccinimide, N-hydroxysulfosuccinimide, or a derivative thereof.
- 2. The biological low-molecular-weight derivative according to claim 1, wherein the biological low-molecular-weight compound having two or more carboxyl groups is a low-molecular-weight compound in the citric acid cycle or a derivative thereof.
- 3. The biological low-molecular-weight derivative

 15 according to claim 1, wherein the biological low-molecularweight compound having two or more carboxyl groups is malic
 acid, oxalacetic acid, citric acid, cis-aconitic acid, 2ketoglutaric acid, or a derivative thereof.
- 4. A crosslinked high-molecular-weight product obtained by crosslinking a high-molecular-weight compound with the biological low-molecular-weight derivative according to claim 1.
- 25 5. The crosslinked high-molecular-weight product according to claim 4, wherein the high-molecular-weight compound is at least one of proteins, glycosaminoglycans,

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chitosans, polyamino acids, and polyalcohols.

- 6. The crosslinked high-molecular-weight product according to claim 4, wherein the high-molecular-weight compound is a glycosaminoglycan comprising chondroitin sulfate, dermatan sulfate, hyaluronic acid, heparan sulfate, heparin, keratan sulfate, or a derivative thereof.
- 7. The crosslinked high-molecular-weight product

 10 according to claim 4, wherein the high-molecular-weight

 compound is a protein comprising collagen, atelocollagen,

 alkali-soluble collagen, gelatin, keratin, serum albumin,

 egg albumin, hemoglobin, casein, globulin, fibrinogen, or a

 derivative thereof.